3. (Amended) The derivative of an antibody according to claim 1, wherein the monoclonal antibody comprises CDR1, CDR2 and CDR3 of H chain V region having the amino acid sequences represented by SEQ ID NOs:3, 4 and 5, respectively.

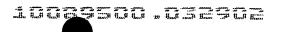
- 4. (Amended) The derivative of an antibody according to claim 1, wherein the monoclonal antibody comprises CDR1, CDR2 and CDR3 of L chain V region having the amino acid sequences represented by SEQ ID NOs:6, 7 and 8, respectively.
- 5. (Amended) The derivative of an antibody according to claim 1, wherein the monoclonal antibody comprises:

CDR1, CDR2 and CDR3 of a heavy chain (H chain) variable region (V region) having the amino acid sequences represented by SEQ ID NOs:3, 4 and 5, respectively; and

CDR1, CDR2 and CDR3 of a light chain (L chain) V region having the amino acid sequences represented by SEQ ID NOs:6, 7 and 8, respectively.



- 10. (Amended) The derivative of a human chimeric antibody according to claim 8, wherein the H chain V region comprises the amino acid sequence represented by SEQ ID NO:55.
- 11. (Amended) The derivative of a human chimeric antibody according to claim 8, wherein the L chain V region comprises the amino acid sequence represented by SEQ ID NO:56.



12. (Amended) The derivative of a human chimeric antibody according to claim 8, wherein

the H chain V region comprises the amino acid sequence represented by SEQ ID NO:55; and

the L chain V region comprises the amino acid sequence represented by SEQ ID NO:56.

13. (Amended) The derivative of a human chimeric antibody KM871 according to claim 8, wherein

the H chain V region comprises the amino acid sequence represented by SEQ ID NO:55; and

the L chain V region comprises the amino acid sequence represented by SEQ ID NO:56.

- 17. (Amended) The derivative of a human CDR-grafted antibody according to claim 14, wherein the antibody comprises CDR1, CDR2 and CDR3 of the H chain V region having the amino acid sequences represented by SEQ ID NOs:3, 4 and 5, respectively.
- 18. (Amended) The derivative of a human CDR-grafted antibody according to claim 14, wherein the antibody comprises CDR1, CDR2 and CDR3 of the L chain V

region having the amino acid sequences represented by SEQ ID NOs:6, 7 and 8, respectively.

19. (Amended) The derivative of a human CDR-grafted antibody according to claim 14, wherein the antibody comprises:

CDR1, CDR2 and CDR3 of the H chain V region having the amino acid sequences represented by SEQ ID NOs:3, 4 and 5, respectively; and

CDR1, CDR2 and CDR3 of the L chain V region having the amino acid sequences represented by SEQ ID NOs:6, 7 and 8, respectively.

- 20. (Amended) The derivative of a human CDR-grafted antibody according to claim 14, wherein the H chain V region of the antibody comprises the amino acid sequence represented by SEQ ID NO:9.
- 21. (Amended) The derivative of a human CDR-grafted antibody according to claim 14, wherein the L chain V region of the antibody comprises the amino acid sequence represented by SEQ ID NO:54.
- 22. (Amended) The derivative of a human CDR-grafted antibody according to claim 14, wherein the H chain V region and the L chain V region of the antibody comprises the amino acid sequences represented by SEQ ID NO:9 and SEQ ID NO:54, respectively.



23. (Amended) The derivative of a human CDR-grafted antibody KM8871 according to claim 14, wherein

the H chain V region of the antibody comprises the amino acid sequence represented by SEQ ID NO:9; and

the L chain V region of the antibody comprises the amino acid sequence represented by SEQ ID NO:54.

25. (Amended) The derivative of the antibody fragment according to claim 1, wherein the antibody fragment comprises amino acid sequences of an H chain V region and an L chain V region of a monoclonal antibody against ganglioside GD3 produced by a hybridoma.

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- 26. (Amended) The derivative of the antibody fragment according to claim 1, wherein the antibody fragment comprises an H chain V region of the antibody having the amino acid sequence represented by SEQ ID NO:55.
- 27. (Amended) The derivative of the antibody fragment according to claim 1, wherein the antibody fragment comprises an L chain V region of the antibody having the amino acid sequence represented by SEQ ID NO:56.
- 28. (Amended) The derivative of the antibody fragment according to claim 1, wherein the antibody fragment comprises:

an H chain V region of the antibody having the amino acid sequence represented by SEQ ID NO:55; and

an L chain V region of the antibody having the amino acid sequence represented by SEQ ID NO:56.

- 29. (Amended) The derivative of the antibody fragment according to claim 1, wherein the antibody fragment comprises amino acid sequences of an H chain V region and an L chain V region of a human CDR-grafted antibody against ganglioside GD3.
- 30. (Amended) The derivative of the antibody fragment according to claim 1, wherein the antibody fragment comprises an H chain V region of the antibody having the amino acid sequence represented by SEQ ID NO:9.
- 31. (Amended) The derivative of the antibody fragment according to claim 1, wherein the antibody fragment comprises an L chain V region of the antibody having the amino acid sequence represented by SEQ ID NO:54.
- 32. (Amended) The derivative of the antibody fragment according to claim 1, wherein the antibody fragment comprises:

an H chain V region of the antibody having the amino acid sequence represented by SEQ ID NO:9; and

an L chain V region of the antibody having the amino acid sequence represented by SEQ ID NO:54.

33. (Amended) The derivative of an antibody fragment according to claim 1, wherein the antibody fragment comprises CDR1, CDR2 and CDR3 of an H chain V region of the antibody having the amino acid sequences represented by SEQ ID NOs:3, 4 and 5, respectively.



- 34. (Amended) The derivative of the antibody fragment according to claim 1, wherein the antibody fragment comprises CDR1, CDR2 and CDR3 of an L chain V region of the antibody having the amino acid sequences represented by SEQ ID NOs:6, 7 and 8, respectively.
- 35. (Amended) The derivative of the antibody fragment according to claim 1, wherein the antibody fragment comprises:

CDR1, CDR2 and CDR3 of an H chain V region of the antibody having the amino acid sequences represented by SEQ ID NOs:3, 4 and 5; and

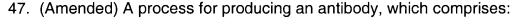
CDR1, CDR2 and CDR3 of an L chain V region of the antibody having the amino acid sequences represented by SEQ ID NOs:6, 7 and 8.



36. (Amended) The derivative of a monoclonal antibody or the antibody fragment thereof according to claim 1, wherein the protein is a cytokine.



42. (Amended) A DNA which encodes the derivative of a monoclonal antibody or the derivative of the antibody fragment thereof which specifically reacts with ganglioside GD3 according to claim 1.





culturing the transformant according to claim 44 in a culture medium to produce and accumulate the derivative of a monoclonal antibody or the derivative of the antibody fragment thereof in the culture; and

recovering the derivative of the antibody or the derivative of the antibody fragment thereof from the culture.



- 52. (Amended) The human CDR-grafted antibody or the antibody fragment thereof according to claim 49, wherein the antibody comprises CDR1, CDR2 and CDR3 of the H chain V region having the amino acid sequences represented by SEQ ID NOs:3, 4 and 5, respectively.
- 53. (Amended) The human CDR-grafted antibody or the antibody fragment thereof according to claim 49, wherein the antibody comprises CDR1, CDR2 and CDR3 of the L chain V region having the amino acid sequences represented by SEQ ID NOs:6, 7 and 8, respectively.
- 54. (Amended) The human CDR-grafted antibody or the antibody fragment thereof according to claim 49, wherein the antibody comprises:

CDR1, CDR2 and CDR3 of the H chain V region having the amino acid sequences represented by SEQ ID NOs:3, 4 and 5, respectively; and

CDR1, CDR2 and CDR3 of the L chain V region having the amino acid sequences represented by SEQ ID NOs:6, 7 and 8.

55. (Amended) The human CDR-grafted antibody or the antibody fragment thereof according to claim 49, wherein the H chain V region of the antibody comprises the amino acid sequence represented by SEQ ID NO:9.



- 56. (Amended) The human CDR-grafted antibody or the antibody fragment thereof according to claim 49, wherein the L chain V region of the antibody comprises the amino acid sequence represented by SEQ ID NO:54.
- 57. (Amended) The human CDR-grafted antibody or the antibody fragment thereof according to claim 49, wherein

the H chain V region of the antibody comprises the amino acid sequence represented by SEQ ID NO:9; and

the L chain V region of the antibody comprises the amino acid sequence represented by SEQ ID NO:54.

58. (Amended) The human CDR-grafted antibody KM8871 or the antibody fragment thereof according to claim 49, wherein

the H chain V region of the antibody comprises the amino acid sequence represented by SEQ ID NO:9; and

the L chain V region of the antibody comprises the amino acid sequence represented by SEQ ID NO:54.

59. (Amended) A DNA which encodes the human CDR-grafted antibody or the antibody fragment thereof which specifically reacts with ganglioside GD3 according to claim 48.

63. (Amended) A process for producing an antibody, which comprises:

culturing the transformant according to claim 61 in a culture medium to produce and accumulate the human CDR-grafted antibody or the antibody fragment thereof in the culture; and

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recovering the antibody or the antibody fragment thereof from the culture.

- 64. (Amended) A medicament comprising at least one selected from the derivative of a monoclonal antibody and the derivative of the antibody fragment thereof according to claim 1 and the human CDR-grafted antibody and the antibody fragment thereof which specifically reacts with ganglioside GD3.
- 65. (Amended) A therapeutic agent for cancers, comprising, as an active ingredient, at least one selected from the derivative of a monoclonal antibody and the derivative of the antibody fragment thereof according to claim 1 and the human CDR-

grafted antibody and the antibody fragment thereof which specifically reacts with ganglioside GD3.

66. (Amended) A diagnostic agent for cancers, comprising, as an active ingredient, at least one selected from the derivative of a monoclonal antibody and the derivative of the antibody fragment thereof according to claim 1 and the human CDR-grafted antibody and the antibody fragment thereof which specifically reacts with ganglioside GD3.

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